



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

cc: Mike Sufka

November 5, 2001

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor *DRH*

FROM: James D. Smith, Senior Reclamation Specialist *JDS*

RE: 2000 Fourth Quarter Water Monitoring, CO-OP Mining Company, Bear Canyon Mine, C/015/025-WQ00-4

1. Were data submitted for all of the MRP required sites? YES [ X ] NO [ ]

*Identify sites not monitored and reason why, if known:*

No flow at BC-3, BC-4, and SBC-6. No access at SDH-2 and SDH-3.

2. On what date does the MRP require a five-year resampling of baseline water data.  
*See Technical Directive 004 for baseline resampling requirements. Consider the five-year baseline resubmittal when responding to question one above. Indicate if the MRP does not have such a requirement.*

### Resampling Due Date

Renewal submittal due 07/02/00, renewal due 11/02/00. Baseline parameters are to be taken in August of year 5 prior to each permit renewal (Table 7.1-8). Baseline parameters were measured August 2000 and included with the Third Quarter data submittal.

3. Were all required parameters reported for each site? YES [ X ] NO [ ]

*Comments, including identity of monitoring site:*

BC-3: No flow  
BC-4: No flow  
SBC-6: No flow  
SDH-2: No access  
SDH-3: No access

SBC-4: Flow was not reported;  
SBC-5: Flow was not reported;  
SBC-12: Field pH, Field Conductivity, and Water Temperature were not reported.

**4. Were irregularities found in the data?** YES [ X ] NO [ ]

*Comments, including identity of monitoring site:*

SMH-1: Ca (n = 10), Mg (n = 10), Na (n = 10) are outside two standard deviation range;  
DH-1A: Water Elevation (n = 56) and Depth (n = 56) are considerably outside two standard deviation range – this may be due to using the wrong units when entering the value into the APPX database;

SBC-3: Depth (n = 40) is outside two standard deviation range;

BC-1: Settleable Solids (n = 19) and Total Fe (n = 93) are outside two standard deviation range;

BC-2: Total Fe (n = 95), Cl (n = 74), and Na (n = 29) are outside two standard deviation range;

**5. Were DMR forms submitted for all required sites?**

1<sup>st</sup> month, YES [ ] NO [ X ]

2<sup>nd</sup> month, YES [ ] NO [ X ]

*Identify sites and months not monitored:*

3<sup>rd</sup> month, YES [ ] NO [ X ]

No DMRs or field forms for UPDES points 003 and 006;

No reports for any quarter for site 007, which is the not-yet-built sedimentation pond at the Wild Horse Ridge Addition.

**6. Were all required DMR parameters reported?** YES [ X ] NO [ ]

*Comments, including identity of monitoring site:*

No discharge for UPDES points 002 and 004.

**7. Were irregularities found in the DMR data?** YES [ ] NO [ X ]

*Comments, including identity of monitoring site:*

No discharge for UPDES points 002 and 004.

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**8. Based on your review, what further actions, if any, do you recommend?**

At DH-1A and SBC-3, Water Elevation and Depth values need to be checked to see if the correct values were entered into the APPX database;

Other irregularities in monitoring data do not appear significant and no further action is recommended other than watching for possible trends;

The permittee needs to locate and submit the DMR forms for UPDES points 003 and 006.

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